

REMARKS

The application contains claims 1, 3-5, 7-9, and 11-15. Claims 1, 3, 5, 7, 9, and 11-12 have been amended. Claims 2, 6 and 10 are canceled without prejudice to or disclaimer of the underlying subject matter. The Commissioner is authorized to charge all fees associated with this filing to our Deposit Account No. 11-0600.

Applicant thanks Examiner Nguyen for indicating that claims 2, 3, 6, 7, 10-12 and 15 contain allowable subject matter and would be allowable in written in independent form.

In view of the foregoing amendments and following remarks, Applicants respectfully request the Examiner to reconsider and withdraw all outstanding grounds of rejection. Applicants respectfully request allowance of the application.

Objection to the Drawings, Claims and Specification

The drawings are objected to under 37 C.F.R. 1.83(a). Specifically, the Office Action indicates that the drawings do not show every feature of the invention specified in claims 5, 9 and 12.

Claims 5, 9, and 12 are objected to because of informalities as listed at page 2 of the Office Action.

The disclosure is objected to because of informalities as listed at page 3 of the Office Action.

Applicant has amended the claims to address the various objections cited above and listed in the Office Action.

For example, claim 5 has been amended to recite, among other features, "a first output amplifier to receive the output of the first P-type transistor via a **first N-type load** and the output of the first N-type transistor via a **first P-type load**; and a second output amplifier to receive the output of the second P-type transistor via a **second N-type load**

and the output of the second N-type transistor via **a second P-type load...**" emphasis added. Support for this amendment can be found at, for example, Fig. 2 and corresponding text in the specification beginning at pg. 6, line 5. For example, with reference to claim 5 and Fig. 2, the first N-type load may be referenced as element 350, the first P-type load may be referenced as element 380, the second N-type load may be referenced as element 370 and the second P-type load may be referenced as element 360. Applicant respectfully submits that objections to the claims, drawings and specification relating to claim 5 have been overcome and requests that these objections be withdrawn.

With respect to claim 9, claim 9 has been amended to recite, among other features "first and second intermediate transistors coupled to said first P-type transistor and said second N-type transistor, respectively...". Support for this amendment can be found at, for example, Fig. 2 and corresponding text in the specification beginning at pg. 6, line 5. As shown in Fig. 2, the first intermediate transistor 357 is coupled to the first P-type transistor 310 and the second intermediate transistor 355 is coupled to the second N-type transistor 320. Applicant respectfully submits that objections to the claims, drawings and specification relating to claim 9 have been overcome and requests that these objections be withdrawn.

With respect to claim 12, claim 12 has been amended to recite, among other features "said first intermediate transistor is a N-type transistor and said second intermediate transistor is an P-type transistor." Support for this amendment can be found at, for example, Fig. 2 and corresponding text in the specification beginning at pg. 6, line 5. As shown in Fig. 2, the first intermediate transistor 357 is a N-type transistor and the second intermediate transistor 355 is a P-type transistor. Applicant respectfully submits that objections to the claims, drawings and specification relating to claim 12 have been overcome and requests that these objections be withdrawn.

Applicant respectfully submits that the various objections have been overcome by the above-described amendments to the claims and requests that these objections be withdrawn.

Claim Rejections

The Office Action at page 3, rejects claims 1, 4-5, 8, 9, 13 and 14 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,703,532 issued to Shin, et al. (hereinafter *Shin*).

Applicants respectfully submit that *Shin* does not disclose or suggest “an output stage for a differential amplifier” as recited in the preamble of the claims, shown in the drawings and described in the specification.

Shin, on the other hand, relates to a fully differential self-biased signal receiver as described in the Abstract and shown in, for example, Fig. 2. Accordingly, *Shin* cannot anticipate the claims of the present invention since it relates to a separate circuit components.

Furthermore, *Shin* does not teach or suggest first and second P-type input amplifiers, or first and second N-type input amplifiers “to receive the non-inverted differential voltage signal and the inverted differential voltage, respectively” as recited, among other features, in independent claim 1 of the present invention. Independent claims 5 and 9 include similar recitations. Contrary to the indications in the Office Action, input A-in and input B-in as shown in Fig. 2 of *Shin* are not differential voltage signals. Accordingly, *Shin* cannot anticipate the invention of independent claims 1, 5, and 9 of the present invention. Therefore, independent claims 1, 5 and 9 are in condition for allowance over *Shin*.

However, to further prosecution in this matter, Applicant has amended: claim 1 to include the allowable subject matter of claim 2 (now canceled); claim 5 to include the allowable subject matter of claim 6 (now cancelled); and claim 9 to include the allowable

subject matter of claim 10 (now canceled). Accordingly, Applicant respectfully submit that independent claims 1, 5, and 9 are in condition for allowance over the applied art.

Claims 2-4 depend from independent claim 1, claims 7-8 depend from independent claim 5, and claims 11-15 depend from independent claim 9 and thus, claims 2-4, 7-8 and 11-15 are allowable for the reasons stated above with respect to the claim from which they depend, and for the additional features recited therein.

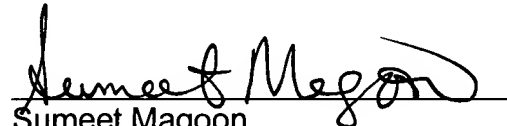
CONCLUSION

It is respectfully submitted that, in view of the foregoing remarks, the application as amended is in condition for allowance. Reconsideration, withdrawal of all grounds of rejection, and issuance of a Notice of Allowance are earnestly solicited.

The Office is hereby authorized to charge any additional fees or credit any overpayments under 37 C.F.R. §1.16 or §1.17 to Deposit Account No. 11-0600. The Examiner is invited to contact the undersigned at the telephone number listed below to discuss any matter regarding this application.

Respectfully submitted,

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